

**IN THE CLAIMS:**

On page 13, at the top of the page, cancel "GR 97 P 2121 P";

in line 1, cancel "Patent Claims" substitute --**WE CLAIM AS OUR**

**INVENTION:**-- therefor.

5 Please cancel claims 1-10 and substitute the following claims 11-20  
therefor:

11. A method for digital radio transmission of data between a fixed station and at least one mobile station at one of a number of carrier frequencies, said method comprising the steps of:

10 transmitting data in a number of time slots using a time-division multiplex method, said data being transmitted in active time slots each of which is followed by an inactive time slot in which no data is transmitted, said inactive time slot having a time duration shorter than a time duration of an active time slot; and

15 changing from a first carrier frequency to a second carrier frequency after a predetermined time period having an order of magnitude of one time slot.

12. The method according to claim 11, wherein a time duration of an inactive time slot is half that of a time duration of an active time slot.

20 13. The method according to claim 11, wherein said data is transmitted using a time-division multiplex duplex method.

14. The method according to claim 11, wherein a transmission frame has four active time slots for transmitting from said fixed station to said mobile station and four time slots for transmitting from said mobile station to said fixed station.

25 15. The method according to claim 11, wherein said data is transmitted in a 2.4 GHz band.

5        16. An arrangement for digital radio transmission of data between a fixed station and at least one mobile station in a number of time slots using the time-division multiplex method, and at a number of carrier frequencies using the frequency-division multiplex method, said arrangement comprising:

10      a fixed station having a first RF module for choosing a carrier frequency for transmitting during one of said time slots, and for changing from a first carrier frequency to a second carrier frequency during a predetermined time period on an order of magnitude of one time slot;

15      at least one mobile station having a second RF module for choosing a carrier frequency for transmitting during one of said time slots, and for changing from said first carrier frequency to said second carrier frequency during said predetermined time period on an order of magnitude of one time slot; and

20      a transmission time frame having active time slots in which data is transmitted, each of said active time slots being followed by an inactive time slot in which no data is transmitted, said inactive time slot having a time duration being shorter than that of a time duration of an active time slot.

25      17. The arrangement according to claim 16, wherein said time duration of said inactive time slot is half that of said duration of said active time slot.

18. The arrangement according to claim 18, wherein said transmission frame comprises four active time slots for transmitting from said fixed station to said mobile station, and four time slots for transmitting from said mobile station to said fixed station.

19. The arrangement according to claim 16, wherein said carrier frequencies are in a 2.4 GHz band.